

**Section 1: Product Identification**

Product Name: Howard Johnson's Premium Fertilizer (various grades)  
Howard Johnson's All Purpose Fertilizer (various grades)  
Howard Johnson's Turf Food (various grades)  
Howard Johnson's Greens Grade Fertilizer (various grades)  
Howard Johnson's Golf Course Fertilizer (various grades)  
Howard Johnson's Lawn and Seed Starter (various grades)  
Howard Johnson's Fall Winterizer (various grades)  
Howard Johnson's Lawn Booster

EPA Reg. Number: None

Chemical Name: Granular fertilizer.

Shipping Information: Not regulated by U.S. DOT for all modes of transportation within the U.S.

**Section 2: Composition/Information on Ingredients**

<u>Chemical Name</u>	<u>CAS Registry Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>SARA 313 Reportable</u>
Fertilizer Ingredients, as listed on the guaranteed analysis section of each label (varies by fertilizer analysis)	NA	None	None	No
Crystalline Silica (quartz)*	14808-60-7	0.1 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>	No

\*May be present as a naturally occurring mineral in the fertilizer ingredients used in this formulation. The respirable portion of crystalline silica in this product is very small, and excessive inhalation is unlikely under normal conditions of use.

**Section 3: Physical and Chemical Properties**

Physical Form:	Granular Solid	Bulk Density:	Not established
pH:	Not applicable	Refractive Index:	Not applicable
Boiling Point:	Not applicable	Freezing Point:	Not applicable
Solubility in Water:	Partial	Viscosity:	Free-flowing granules
Vapor Pressure:	Not established	Vapor Density:	Not established
Percent Volatile:	Not established	Evaporation Rate:	Not established
Appearance and Odor:	Multi-colored granules with a characteristic fertilizer odor.		

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**Section 4: Fire and Explosion Hazard Data**

Flash Point (°F):	Not Flammable	Flash Point Method:	Not applicable
Auto Ignition Temp. (°F):	Not applicable	Burning Rate:	Not applicable
Explosive Limits:	Upper Limit (UEL): Not applicable	Lower Limit (LEL):	Not applicable
Extinguishing Media:	Water, carbon dioxide, dry chemical or foam.		
Special Firefighting Procedures:	Fire fighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.		
Unusual Fire or Explosion Hazards:	None.		

**Section 5: Health Hazard Data**

Primary Routes of Entry: Inhalation, ingestion, skin or eye contact.

**Signs and Symptoms of Over-Exposure:**

Eye Contact:	Acute:	Mild, reversible irritation to the eye.	Chronic:	None reported.
Skin Contact:	Acute:	May cause mechanical irritation.	Chronic:	None reported.
Inhalation:	Acute:	Excessive inhalation of fertilizer dust may irritate nose, throat and upper respiratory tract.	Chronic:	Excessive inhalation of crystalline silica (quartz) may cause lung injury.
Ingestion:	Acute:	May cause gastrointestinal irritation, including nausea, vomiting, cramps and diarrhea.	Chronic:	None reported.

**MATERIAL SAFETY DATA SHEET**

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**Emergency First Aid Procedures:**

**Eye Contact:** Hold eyelids open and flush with lots of water for 15 minutes. If irritation persists after flushing, get medical attention.

**Skin Contact:** Remove contaminated clothing and wash skin with soap and water. If irritation develops after washing, get medical attention.

**Inhalation:** Remove person to fresh air. If breathing stops, give artificial respiration and get medical attention.

**Ingestion:** Call a physician or poison control center. Give person 1-2 glasses of water to drink, and induce vomiting by touching back of throat with finger. If Syrup of Ipecac is available, give 1 tablespoon (15 ml) followed by 1-2 glasses of water. If vomiting does not occur within 20 minutes, repeat dosage once. Never induce vomiting or give anything by mouth to an unconscious or convulsing person.

**Medical conditions aggravated by exposure:** Fertilizer may aggravate existing skin irritation or lesions, cuts or scrapes. Asthma or pulmonary disease may be aggravated by inhalation of dust.

**Target Organs:** Lungs.

**Carcinogens:** Crystalline silica (quartz) component is classified as a carcinogen by NTP and IARC.

**Section 6: Reactivity Data**

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<b>Stability:</b>	Stable
<b>Chemical incompatibilities:</b>	Strong oxidizers
<b>Conditions to avoid:</b>	None -- product is stable
<b>Hazardous Decomposition Products:</b>	Thermal decomposition (burning) may produce CO, CO <sub>2</sub> , NO <sub>x</sub> , and sulfur compounds.
<b>Hazardous Polymerization:</b>	Will not occur

**Section 7: Accidental Release Procedures**

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<b>Large Spill or Leak Procedures:</b>	Isolate and contain spill. Remove unauthorized persons from spill area. Do not walk through spilled materials. Wear suitable protective gear. Carefully sweep or scoop spilled material and place in a closed, labeled container for use or disposal. Scrub contaminated surfaces with detergent and water, and collect wash water solution for proper disposal according to label directions. Do not allow spilled material to enter streams, sewers or other waters.
<b>Small Spill or Leak Procedures:</b>	Wear protective clothing as recommended on label. Sweep up spilled material for use according to label directions.
<b>Waste Disposal Methods:</b>	Consult state or local environmental agency for disposal of waste generated by a spill. Wastes from the use of this product according to label directions may be disposed as specified on product label.

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MILWAUKEE, WI 53204 414-276-4184 FAX

**Section 8: Exposure Controls and Personal Protection**

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Engineering Controls – Ventilation:	This product is designed for outdoor use only, and ventilation is not normally required. Local exhaust may be necessary when handling this product in an enclosed area.
Administrative Controls:	Follow all precautions and directions for use on product label.
Protective Clothing and Equipment:	Wash thoroughly after handling and before eating, drinking, smoking or using the toilet.
Respiratory Protection:	For normal handling and use, a respirator is not required. For excessively dusty conditions, use a dust mask approved by MSHA/NIOSH. See OSHA regulations in 29 CFR § 1910.134 before using any respirator or dust mask.
Eye Protection:	Good safety practices suggest the use of goggles to prevent contact with eyes.
Hand Protection:	Good safety practices suggest the use of rubber, leather or canvas gloves, to prevent skin contact.
Skin Protection:	Wear long-sleeved shirt and long trousers to reduce skin contact.
Contaminated Equipment:	Laundry contaminated clothing separately from street clothes. Clean contaminated boots/shoes and other equipment with detergent and water immediately after use.
Safety Stations:	Clean water should be available to flush eyes and/or skin in case of accidental contact.

**Section 9: Handling and Storage Precautions**

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Handling Precautions:	Wear appropriate protective gear when handling open containers. Do not take internally. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.
Storage Requirements:	Store in a locked, dry area, away from feed or food, and out of reach of children, pets and domestic animals. Keep containers tightly closed when not in use. Store in original container only. Do not remove or destroy product label. Dispose of empty containers as specified on product label.

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By: Krestil A. Lyddon, Director of Regulatory Affairs

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